

Title (en)

ANGULATION PLANNING FOR THREE-DIMENSIONAL ANGIOGRAPHY

Title (de)

ANGULATIONSPLANUNG FÜR EINE DREIDIMENSIONALE ANGIOGRAPHIE

Title (fr)

PLANIFICATION D'ANGULATION POUR UNE ANGIOGRAPHIE TRIDIMENSIONNELLE

Publication

EP 3287077 B1 20181212 (DE)

Application

EP 17184248 A 20170801

Priority

DE 102016215970 A 20160825

Abstract (en)

[origin: US2018061114A1] A method and system for operating an x-ray device for a creation of a three-dimensional angiography of a body vessel segment. A three-dimensional reconstruction of the body vessel segment is provided to a computing device of the x-ray device. A center line of the body vessel segment is computed. An axis of rotation is laid through the center line. The three-dimensional reconstruction is registered with the x-ray device. The suitability of at least one recording angle pair with a first and a second recording angle for the creation of the three-dimensional angiography is assessed on the basis of an assessment criterion by the computing device. One of the at least one assessed recording angle pairs is selected for creation of the three-dimensional angiography as a function of a result of the assessment, in order to improve the creation of the three-dimensional angiography.

IPC 8 full level

A61B 6/00 (2006.01); **A61B 6/03** (2006.01); **A61B 90/00** (2016.01)

CPC (source: CN EP US)

A61B 6/032 (2013.01 - EP US); **A61B 6/466** (2013.01 - CN); **A61B 6/504** (2013.01 - CN EP US); **A61B 6/52** (2013.01 - CN); **A61B 6/5241** (2013.01 - US); **A61B 90/00** (2016.02 - EP US); **A61B 90/36** (2016.02 - EP US); **G06T 7/337** (2016.12 - US); **G06T 15/08** (2013.01 - US); **A61B 2090/367** (2016.02 - EP US); **G06T 2207/10116** (2013.01 - US); **G06T 2207/20224** (2013.01 - US); **G06T 2207/30048** (2013.01 - US); **G06T 2207/30101** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102016215970 B3 20171109; CN 107773260 A 20180309; CN 107773260 B 20190719; EP 3287077 A1 20180228; EP 3287077 B1 20181212; US 10157490 B2 20181218; US 2018061114 A1 20180301

DOCDB simple family (application)

DE 102016215970 A 20160825; CN 201710740448 A 20170825; EP 17184248 A 20170801; US 201715685786 A 20170824